First Action Interview Pilot Program Pre-Interview Communication

Application No.	Applicant(s)		
10/578,602	HARDT, STEF	HARDT, STEFFEN	
Examiner	Art Unit		
Jennifer Dieterle	1795	Page 1 of	

-The MAILING OR NOTIFICATION DATE of this communication appears on the cover sheet with the correspondence address - THE SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ONE MONTH OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING OR NOTIFICATION DATE OF THIS COMMUNICATION.

This time period for reply is extendable under 37 CFR 1.136(a) for only ONE additional MONTH. This communication constitutes notice under 37 CFR 1.136(a)(1)(i).

Applicant must, within the time period for reply, file: (1) A letter requesting <u>not</u> to have a first action interview; (2) A reply under 37 CFR 1.111 waiving the first action interview and First Action Interview Office Action; or (3) An Applicant Initiated Interview Request Form (PTOL-413A) electronically via EFS-Web, accompanied by a proposed amendment or arguments, and schedule the interview within 2 months from the filing of the request. A failure to respond to this communication will be treated as a request not to have an interview. If applicant waives the First Action Interview Office Action, the instant Pre-Interview Communication is deemed the first Office Action on the Merits. The next subsequent Office action may be made final if appropriate. See MPEP 706.07(a).

communication will be treated as a request not to have an interview. If applicant waives the First Action, the instant Pre-Interview Communication is deemed the first Office Action on the Merits. Office action may be made final if appropriate. See MPEP 706.07(a).				
Disposition of Claims				
3)⊠ Claim(s) <u>4, 6, 12 and 13</u> is/are pending in the application.				
3a) Of the above claim(s) is/are withdrawn from consideration.				
4) Claim(s) is/are allowed.				
5)⊠ Claim(s) <u>4, 6, 12 and 13</u> is/are rejected.				
6)☐ Claim(s) is/are objected to.				
7) Claim(s) are subject to restriction and/or election requirement.				
Application Papers				
8)☐ The specification is objected to by the Examiner.				
9)⊠ The drawing(s) filed on <u>8 May 2006</u> is/are: a) accepted or b)⊠ objected to by the Ex	caminer.			
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFF Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to 10) The oath or declaration is objected to by the Examiner. Note the attached Office Action	o. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119				
11)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or a)⊠ All b)□ Some * c)□ None of:	(f).			
1.⊠ Certified copies of the priority documents have been received.				
2. Certified copies of the priority documents have been received in Application No.				
 Copies of the certified copies of the priority documents have been received in thi application from the International Bureau (PCT Rule 17.2(a)). 				
*See the attached detailed Office action for a list of the certified copies not received.				
Contact Information				
Examiner's Telephone Number: (571) 270-7872				
Examiner's Typical Work Schedule: Monday thru Friday, 8am to 5pm (EST)				
Supervisor's Name: Alexa Neckel				
Supervisor's Telephone Number: (571) 272-1446				
Attachment(s)				
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-41 Paper No(s)/Mail Date				
3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application				
Paper No(s)/Mail Date <u>5/8/06</u> . 6) Other:				

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Notification of Rejection(s) and/or Objection(s)

Notification of Rejection(s) and/or Objection(s)				
#	Claim(s)	Reference(s) (if applicable)	Rejection Statutory Basis	Brief Explanation of Rejection
1	4, 6, 12 and 13	A and B/N	103(a)	Reference A teaches an electrochromatic device (i.e. a device for separating substances) comprising an electric field (i.e. hence the "electro" chromatic) to a microfluidic system comprising a plurality of adjoining sheets which have two phase boundaries.
2	4, 6, 12 and 13	C, D, E and F	other pertinent art of record	It is noted that references C, D and E teach separation devices comprising a flow channel comprising a sheet of two different phases.
3	4, 6, 12 and 13		112, 2nd	Claims 4, 6, 12 and 13 recite that the individual phases that are arranged in parallel can be a liquid or gel.
4			Drawing Objections	Figure 1a utilizes what appears to be the letter "M" which is not defined in the specification. It is believed the "M" is supposed to be the number 11; however, it is difficult to distinguish "M" and the numeral 11 in figures 1a and 3.

	Expanded Discussion/Commentary				
1		two phases (section 0060). thus, the thickness would be	ecially sections 0011-12, 0016, 0043-44 and 0060-61). Reference A teaches the use of a sol-gel that can comprise . Additionally, reference A teaches that the device comprises microfluidic channels less than about 500 microns; be submillimeter. Reference A is silent as to the direction of the electric phase applications. Reference B specifically omatic device, electric fields can be applied in either parallel or perpendicual (section 0074).		
1		It is noted that reference B	is utilized as the translation of reference N.		
2			ch a single sheet, reference F teaches that it is known in the separation art to utilize multiple substantially planar gether (see reference F figure 4B, #145, col. 12). Additionally, as noted above, reference G teaches that electric endicularly.		
3	In the case of a liquid, it is not clear, given the properties of a liquid, how multiple sheets of liquid will remain separate when placed against each other. The basic nature of a liquid is to "immerse". Therefore, if a liquid is utilized, it is not clear how it will maintain separate sheets, thu forming a pluraliity of adjoining sheets.				
4		Additionally, the specification notes numeral 13 for figure 4; however, there is no numeral 13 in figure 4. Also at section (0051) of appliant's PG Pub document, a figure 8a is referred too; however, there is no drawing labeled figure 8a. Appropriate correction is required.			
DA 1	Γ Ε : I/2010	/Jennifer K. Michener/ Supervisory Patent Examiner, Art Unit 1795			